

Decagon Devices, Inc. Product Market Information Sheet

Product: Decagon MPS-2 Dielectric Water Potential Sensor

Description: Soil sensor which continuously measures both water potential and soil temperature. Water potential is measured using frequency domain technology, while temperature is measured using a thermistor in thermal contact with the sensor. Sensor requires 2-5 VDC and has a digital output. A stereo plug on the sensor allows the sensor to plug into Decagon's Em50 Data logger.

The MPS-2 contains patented technology (patented by Decagon Devices, Inc.) for monitoring water potential using frequency domain technology. The patent covers the ability of the sensor to accurately monitor water potential in a variety of soil types and soil salinities. The sensor is, by design, accurate and rugged at a price that allows researchers to easily characterize spatial variability.

Distributors of Product: Decagon is the sole distributor of the MPS-2 in the USA to universities and other research institutions.

Competitors with similar products: none known